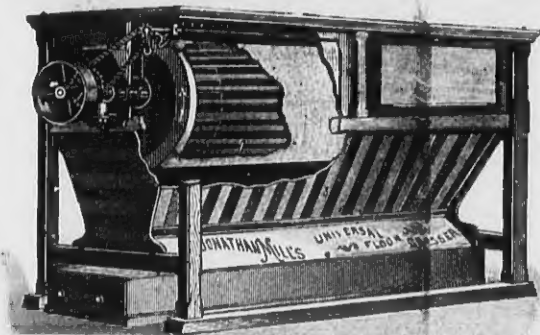




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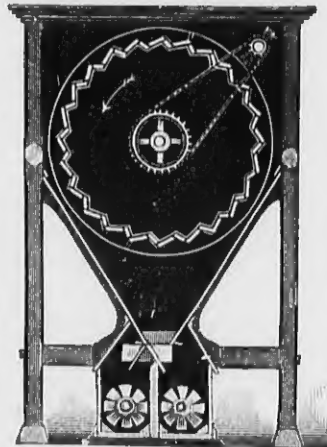
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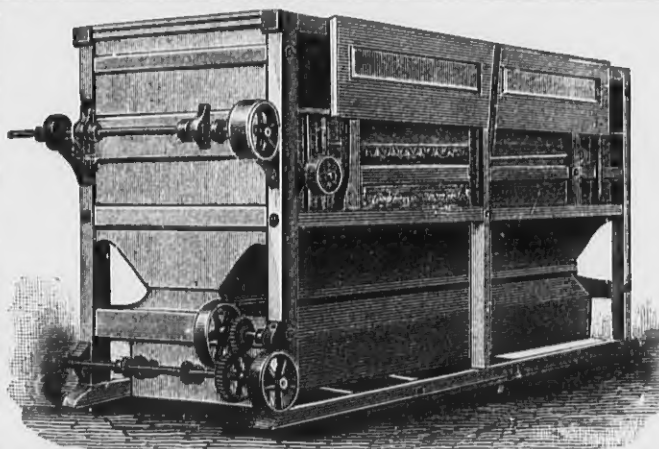
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## THE MILLERS

HOLD THEIR ANNUAL NATIONAL CON-  
VENTION AT ST. LOUIS, MO.,  
MAY 25, 26, 27.

They are cordially received and entertained by  
the Millers, Flour Brokers, and Citizens  
of St. Louis generally.

Carriage Drives, Banquets, Base Ball and a Steam-  
boat Excursion on the "Father of Waters"  
make the time pass pleasantly, and the  
occasion one long to be remembered.

The Convention unanimously endorses all the  
actions of their Sub-executive Committee.  
Adopts strong resolutions in regard to the  
Brazilian Flour Trade, Grain Gamb-  
ling, Transportation Abuses, Ter-  
minal Charges, etc.

Some of the Milling papers roundly scored  
for the criticisms of the committee by  
Alex. Smith of St. Louis, and J. J.  
McCann, the Tennessean.

THE "NORTHWESTERN MILLER" AND THE  
"UNITED STATES MILLER" THE ONLY  
MILLING PAPERS PUBLISHED OUTSIDE  
OF ST. LOUIS REPRESENTED.

Election of Officers, Etc., Etc.

The morning trains arriving in St. Louis,  
May 25, brought delegations of millers from  
Minnesota, Illinois, Indiana, Wisconsin,  
Kansas, Missouri, Ohio, Pennsylvania and  
Kentucky. They were warmly received by  
Messrs. Geo. Bain, Alex. Smith, Geo. H.  
Plant, Henry B. Kirk and others of the  
reception committee of the St. Louis millers  
and flour dealers.

The headquarters were at the Southern  
Hotel. On invitation of President Emmons  
of the Cotton Exchange the visitors marched  
to the Cotton Exchange Chamber and were  
agreeably surprised at finding the room  
beautified with floral decorations from  
Messrs. H. & L. Chase, the well-known firm  
of flour and grain sack manufacturers. Hon.  
Geo. Bain, ex-president of the association,  
made a pleasant welcoming address and re-  
called the meeting of the millers held in St.  
Louis thirteen years ago. Mr. Bain's per-  
tinent remarks frequently called forth enthu-  
siastic applause. In concluding his address  
he introduced President Emmons, of the

Cotton Exchange, who in a few well chosen  
words welcomed the visiting millers and  
tendered them the use of the Exchange  
rooms. President John Crosby, on behalf  
of the Association, thanked the members of  
the Cotton Exchange and the millers, flour  
dealers and citizens of St. Louis generally  
for their kind consideration and boundless  
hospitality.

Letters were read from the Chief of the  
St. Louis Fire Department, inviting the con-  
vention to witness some exercises of the  
fire brigade in the afternoon; from L. C.  
Baker, of the Western Union Telegraph  
Co., notifying members that messages to  
their families would be sent free of charge  
during the convention; from the Secretaries  
of the Public Library and Mercantile Li-  
brary, tendering the use of their facilities,  
and from the Merchants' Exchange, inviting  
the convention to visit them. On motion of  
Mr. Greenleaf, of Minnesota, the invitations  
were accepted with thanks. The conven-  
tion then proceeded to business. Mr. Fred.  
C. Pillsbury of Minneapolis moved that a  
committee be appointed to consider the best  
means of advertising the merits of bran as  
a food for fattening stock. Carried. The  
committee as appointed consisted of F. C.  
Pillsbury of Minnesota, Geo. H. Plant of  
Missouri, W. F. Kidder of Indiana, D. R.  
Sparks of Illinois and John Crosby of Min-  
nesota.

On motion of Mr. Sparks, of Illinois, a  
committee was appointed to nominate officers  
for the ensuing year. The committee con-  
sisted of Ex-Gov. E. O. Stanard of Missouri,  
D. R. Sparks of Illinois, F. C. Pillsbury of  
Minnesota, John J. McCann of Tennessee  
and W. F. Kidder of Terre Haute, Ind.

The chair announced a meeting of the  
general executive committee (one member  
from each state), at the Southern Hotel at  
2:30 P. M. The convention then adjourned  
to 3 P. M.

### AFTERNOON SESSION, MAY 25.

The convention was called to order at 3 P.  
M. by Pres. Crosby. The report of S. H.  
Seamans, secretary and treasurer, was read  
and approved. Balance on hand \$3,661.27.  
Mr. Fred. C. Pillsbury, chairman of the com-  
mittee on the "bran question," reported  
recommending the expenditure of \$1,000 at  
the discretion of the sub-executive committee  
for the purpose of preparing and circulating  
a paper showing the value of bran as a food  
for fattening stock, thus creating a greater  
home demand for bran than now exists.  
After some discussion the report of the com-  
mittee was concurred in unanimously.

Secretary Seamans brought the attention  
of the convention to the fact that mills were  
being constructed in Brazil by English cap-  
italists, that a duty of 75 cents per barrel was  
now imposed on every barrel of American  
flour imported into Brazil, while wheat was  
allowed to enter free of duty from the Ar-  
gentine Republic. This matter was of the  
most serious importance to Maryland and  
Virginia millers. Mr. Smith, of Missouri,  
said that such treaties should be negotiated  
by our government with Brazil as to admit  
American flour, duty free, and failing in that  
the United States should impose an import  
duty on Brazilian coffee. Mr. Sparks, of  
Illinois, warmly endorsed the idea, and after  
the expression of similar opinions by several  
others, Ex-Gov. Stanard, of Missouri, moved  
that a committee of five be appointed to re-  
port in the morning after a thorough consid-  
eration of the whole subject. Adopted.  
The committee appointed was as follows:  
Louis Fusz and E. O. Stanard of St. Louis,  
P. H. McGill of Baltimore, F. C. Pillsbury of  
Minneapolis and D. R. Sparks of Alton.  
The subject of putting up flour in one-six-  
teenth barrel sacks and smaller packages was  
discussed, and it appeared to be the general  
opinion of the millers present, that it was  
unprofitable and entirely undesirable to put  
up flour in less than half-barrel sacks.

Mr. J. L. Styne, of Marietta, O., then read  
the following address:

*Gentlemen of the Convention:* The gathering  
here of a representative body of men, all fol-  
lowers of an industry most important to the  
human family, is surrounded by a signifi-  
cance the magnitude of which is not easily  
grasped. While the results of the annual  
deliberations of this body are watched by the  
business world with undiminished interest,  
does it not seem pardonable that your essay-  
ist makes this attempt with mental misgiv-  
ings and anxiety, but not the less oblivious  
to the fact, that among great men magna-  
nimity is the greatest, and charity the no-  
blest of qualities. I should not have under-  
taken this task, but for my solemn conviction  
that from the crudeness of my effort there  
may be drawn, by abler men, facts of great  
moment to the welfare of all my auditors,  
and that from the chaff, some sound grains  
of wheat may be gathered, which, when  
sown on productive soil, may yield rich,  
plentiful and golden harvest, in good season.

My theme selected for this occasion is

### UNIFORM FLOUR INSPECTION AND TERMI- NAL CHARGES.

Let us look then, at the first topic, critic-  
ally, carefully and justly. This subject is of  
such importance to every milling firm in this  
country, that if taken hold of in earnest by  
this association it is bound to work import-  
ant and grateful changes in the entire sys-  
tem of flour sales all over the country, and  
especially in the markets now the foremost  
terminal points for shippers and consignors.

That into an industry of such magnitude as the flour trade of this country, inconsistencies and fallacies should have crept, and usurped the place, by constant usage, of custom, does not reflect on its character, but calls for the prompt application of the pruning knife, lest the ancient and majestic oak of commerce should be sapped at its root, by the too rapid outgrowth of unwieldy limbs and branches.

The correct method arriving at a uniform flour inspection which needs more general supervision, is, first, to elevate the minds of those engaged in it, to the conviction that it is something more than a petty contrivance, something better than an open door for the practice of ingenuity and artifice. The leading authorities on inspection of flour to-day are like the mariner bewildered without a compass, and at such variance and diversity in their adopted grades that their very establishment has become a source of vexatious disappointments and often of loss to the shipper who is compelled to accept them. There is no important theme in business to-day that calls for re-organization so imperatively as the inspection of flour under the supervision of a national committee directed by the councils of this association, not only for a guide to the general improvement of the uniformity of grades, but as a protection to every miller who ships a car load of flour, over which he loses control after it has left its starting point, unless he could protect himself with a certificate, backed up by the national association, which would be worth something more than the paper it is written on.

In 1835, the legislature of the commonwealth of Pennsylvania passed an inspection law for the protection of the consumer, which divided that state into two districts, comprising the eastern and western division, bounded on the east by Philadelphia, on the west by Pittsburg, with Altoona, in the mountains, as the dividing line. The Pittsburg district comprised fifteen counties and the Philadelphia circuit eighteen. The inspection within these lines was so uniform that flour in the east end was not subject to reinspection or challenge after having been inspected in the western section. By that law, the condition of the grain after each harvest and the quality of the crops, controlled the yearly standard establishing the grades, which consisted of superfine fine, extra and middlings flour. When wheat was good the standard of quality was higher than when crops were poor. In those days the exercise of the inspector's judgment was more binding than it is now, the quality running so uneven that often all of the four different grades could be found in a shipment of so few as ten barrels of flour. The miller then made his flour by close attention to his buhrs, by physical labor of the most arduous kind, practically "in the sweat of his face." With bent back, on his knee, with mill pick in hand, he dressed his furrows and faced his surface. Look at this picture of distress and then glance at the glowing achievements of our roller system of the present day. It is a practical illustration of the triumph of machinery over the work by hand of the skilled artisan.

From this strict government supervision over the flour production, we have drifted into a bastard state of an attempted equalization of merits, the authorities for which, no one acknowledges or respects, and the arbitrary edicts of which are upheld only by the cast iron rules of produce, corn, flour, and grain exchanges and boards of trade, in the adoption of which this association has never been consulted or asked to participate. Nothing is known officially to-day that could throw any light upon the advantages in the way of terminal facilities or superiority of inspection in the handling of flour consignments of one city over another.

A close study of the rules of Baltimore, Boston, Philadelphia and New York exchanges, seems to confirm the conviction that all of them are modeled into one type of self-interest, with a preponderance of jealous rivalries between the several points to attract the largest shipments to their respective outlets. Is it not our duty then as the representatives of a far reaching industry, as the

custodians of the vast interests of the great flour trade, to post ourselves and aid each other by demonstrating the "greatest benefits to the largest numbers?" I rejoice in the conviction that, for the present at least, the interests of some of my auditors are secure, but do not flatter yourselves that you will be involved in no future difficulties. In this I refer to some of the giants of this association, who snap their fingers at inspection, knowing full well that no false valuations or grading of their flour would be attempted, owing to the large shipments, that command influence enough to intimidate the receiver, for fear of loss, from unfairly treating these consignments.

It is an old and well established maxim that men are influenced in their conduct by what appears to them their interest, and from that standpoint I observe that justice in the same instance denied to one is granted to others without reference to the respective merits of the cases in controversy. What we shall aim at, therefore, is the establishment of grades of inspection of flour of a national character by this body which will give equal justice to all, and put us, large or small, rich or poor, influential or unassuming, on the same basis of representation when our products enter into the marts of competition, the rivalry of which exists in every pursuit of life, being inseparable from even the commonest enterprise.

The simple fact that the official inspection of the produce exchange of New York of grade Extra No. 1 represents a valuation on the day's market of flour worth from \$3.75 to \$5.20 per bbl., is a strong argument for national supervision. How are you to arrive at the real value of your shipment, which is officially slated to be worth from \$3.75 to \$5.20? I addressed a letter on this subject some time ago to a prominent commission house in New York, and was informed promptly in reply that after the official inspection of different grades had been passed upon, the value of the parcel must be arrived at between the buyer and seller.

Comment is unnecessary. Draw your inferences of the amount of justice you will get when two buyers get together to determine the average value of your property, so vaguely described. The probity and unimpeachable honesty of your factor is then your only hope. I leave you to infer the rest. In 1883 your relator shipped a car of flour in sacks to an eastern market, which was stored because it would not sell from the dock without a loss. The flour graded extra No. 2 and sound.

After a period of something over a month I received a certificate showing that 36 sacks of this consignment had soured, and simultaneously a report of sale of the entire shipment of 200 sacks at a price representing the value of damaged flour. My angry protest brought forth the explanation that the flour had been sold to protect my interests, as its condition was fast approaching unsoundness. Why, in the name of fairness, they sold it at all at a "sour price," and did not wait until all of it had turned musty was beyond their ability to explain.

I will not weary my auditors by citing isolated cases of the abuses of shippers. I could enumerate a score of more recent occurrences. But I am not here to ventilate individual grievances. My motives are of no such ignoble import. I merely wish to call the attention of this assembly, to convince and arouse them to the necessity of a prompt change in these monstrous inconsistencies. Under the present system of inspection each locality makes its own rules, which are never honored or recognized by the others. Hence a certificate from an inspector at a shipping point would be of no value whatever on the arrival of the flour at its destination. In fact, it would prove an absolute detriment, for the chief inspector of "Rome" "has it in" for his colleague of "Utica" who dares to put a brand upon the flour before he has passed his invaluable verdict on the quality. We have at Pittsburg an old gentleman, the Nestor of flour inspectors. He has wielded the scoop for nearly half a century and has done his work conscientiously and well. His judgment on grades is remarkably intelligent and clear,

and while he has forgotten many of the incongruities of the past, he has learned new methods as the step of progress demanded them. He held his first commission from the governor of Pennsylvania in 1851, and has ever since been identified in the inspection field. I would rather to-day take his judgment on grades and quality than that of any other expert. If this body will honor my points with consideration for discussion during this present session, I shall recommend this gentleman to the committee, who may draw important information from his ripe and mature judgment. I mention him to illustrate to you that his brands are of no more value in shipment to other markets than if they were written in the snow. In fact, as mentioned before, they are often detrimental, owing to professional jealousy.

A recent dispatch says that Duluth has secured an expert flour grader, who after looking the situation over will arrange for the grading of flour at that point on the same basis as wheat.

Whence does this Caesar draw his authority? Had he not better await the promulgation of a national standard by this association, and thus establish for the "city by the unsalted sea" an advantage that is commensurate with its enterprise and rapid growth, and which will make it one of the most important distributing points of flour in this country? Without this official interpretation, its large shipments of flour will only be construed as transfers from a railroad terminus to lake navigation. A Duluth flour inspection, ratified and directed by this association under national rules, would make its grades respected and recognized everywhere.

Reference to this inspection of flour which is to be done on same basis as wheat, brings to the surface a point at once valid and important. Has it ever occurred to you, my friends, that all the different inspections at various terminal points are valueless as a demonstrator of strength, a correct water and weighing test being the only absolute measure to establish the adaptability of the flour? I do not mean by this to discard standard of color, but you pay greater attention to the variety of wheat from which the flour is made. We have grades of soft wheat and hard wheat. We should have officially established grades of No. 1 hard, No. 2 hard and No. 1 and No. 2 soft flour, and for this reason I applaud the item mentioned by the *Northwestern Miller* referring to the grading of flour on the same basis as wheat. I wish to illustrate this point more practically by the methods of the baker. In making their bread, nearly all professional trades bakers use from two to three kinds of flour to get a good result; spring wheat, because it will take the water and sizes the loaf, and winter wheat to get the color. In my section the most generally adopted mixture is two parts of the former to one of the latter. This flour is generally sold by the jobber, who selects and guarantees the mix. Some brainy and original bakers buy each grade on its merits and do their mixing from experience. But, of these there are few, compared to the host of small fry who adopt the ideas of others. In getting the sponge some flour will come up to the proof too soon, which is evidence of the strength of it, while a slower approach to proof is evidence of weakness and a softer kind of flour. One flour after coming to the proof will stay there, while another coming up nicely has not the staying quality when it gets there.

And here is where the vigilance and skill of the baker counts something—to know at the proper time how to handle his loaf. If not gifted with intelligence, and his bread is bad, he does not know which of the three flours has caused the disaster. He is as apt to blame it on the best, but never on his own stupidity. It is not expected that the miller will furnish a barrel of brains with every car load of flour, but it is on the other hand not the less demanded that we give to this baker all reasonable guides and information about the grades which he is using. Let us show to him by the inspector's mark, which is the soft flour and which is the hard variety, and



thus aid him to place the blame where it belongs, when he fails in his results.

It goes without saying that a combination of different flours when intelligently handled, though one of them be of a softer and cheaper grade, will achieve better results than the use of strong flour alone, notwithstanding the latter being the most costly. I trust that I have clearly established the necessity of a national inspection. I leave the subject now to the wise deliberation of the experienced men who compose this gathering and I now enter upon my second theme:

#### TERMINAL CHARGES.

This subject, while not so momentous or important, is also full of interest to flour shippers, and its inconsistencies, contradictions and abuses need the pruning process as well.

When your flour arrives at its destination, whether sold or con-signed, who represents you at that end to settle such disputes as may arise as to its quality, weight or condition? It is smooth sailing if everything is all right, but in case of rejection whom do you hold responsible for delinquencies? Surely not the railroad companies, who have no interest at stake after the freight is paid, and who, I will be able to show you, will not bother about your rights after your merchandise has reached its destination. I presented an original shipping receipt to the Pennsylvania Company from a Minnesota mill last year, for a car of flour, which would have been lost to its shipper had it got into the hands of a notoriously dishonest dealer. I had contracted to store with the Pittsburg Produce and Commission Co., whose warehouse is new and well adapted to storage. They charge three cents a barrel a month and two cents a barrel for drayage. But this being only a shipping receipt, the Pennsylvania company stored the flour at the warehouse where all their delinquent freight is placed, at most exorbitant rates. When the flour was finally delivered to me two months later, on the very same shipping receipt previously declined, the charges were six cents a barrel for hauling it a distance of the length of half of a city block, and ten cents a barrel a month for storage.

I had to pay this outrageous bill, under protest, and secured afterwards a concession of 2½ cents a barrel, but even then the rate exacted was 4½ cents a barrel in excess for each month, and three cents more for drayage. The same company held 300 barrels last year in dispute, of which there were 360 half barrel sacks and 120 barrels of cooperage. When finally released the storage and drayage on this flour amounted to over \$100, or about 60 per cent. more than it would have been if stored and hauled by other competing parties in a better warehouse and locality. The sacks were dirty and rat eaten, and had to be changed. Whereas, the Pittsburg Produce and Commission Co.'s warehouses, especially adapted for the storage of sacks, would have taken it for less than one-third of the cost charged by the Pennsylvania company's chosen representative. My remonstrance with the general freight agent had no effect whatever, and they are continuing to store under the same conditions to-day, with even no protection of insurance against fire on the merchandise placed in their charge. How many other points in the Pennsylvania system outside of seaboard cities labor under such abuses, for which innocent milling firms have to suffer? It is unquestionably the prerogative of this association to look into these usurpations, and to establish a storage system wherever it is needed, regulated only by responsible competition. In discussing, as late as last week, the subject of weights with a president of the Pittsburg Flour and Grain Exchange, whose representative character as a merchant and a baker of prominence, is known probably to every miller within the sound of my voice, and whose yearly consumption at Pittsburg, Pa., Cleveland, O., and Wheeling, W. Va., is something like 40,000 barrels, he suggested that a standard of weight of 200 pounds to the barrel should be adopted and a price based thereon. I deem it almost impossible to change the landmark of decades,

but the feasibility of the suggestion should meet with some thoughtful consideration and discussion.

Outside of the established weight of 196 pounds for a barrel of flour, there are no authoritative rules for the determination of the short weight or the surplus. Under the enactment of the laws for inspection, previously alluded to, which were passed by the legislature of Pennsylvania in 1835, the penalty for short weight was 10 cents for every pound, 10 cents a pound for heading and filling and 6 cents a pound for weighing, making a special penalty of 26 cents a pound for short weight, and in addition to this, a payment of 75 cents per barrel for false taring. That these severe measures were unjust and burdensome cannot be denied. It is a question whether it made millers honest. The blue law character of such legislation made the repeal of the laws only a question of time. There is to-day, however, no adopted standard for the weight of sack flour of different sizes. Some traders hold to the opinion that the market weight should include the sack, while others, principally jobbers and retailers, exact net weight of flour, irrespective of package. This demand is especially insisted on by dealers in paper-sacked flour, but not always conceded by the miller. It would be well to have a definite expression on this subject by the official declaration of this association, to set at rest this ever recurring question which has heretofore been determined by usage only. This constant appeal to custom is the never failing resort of those who feel uncertain about the justice and correctness of their conclusions.

When the organization of this National association is better understood by every milling firm, and the benefit derived from membership is once demonstrated, our numbers will rapidly increase, and I therefore cannot too strongly advocate the common interest of all, in everything that appertains to the improvement of trade and its protection from imposition and fraud. Under the laws of this country and those of its different commonwealths, it is almost impossible to punish a man for fraud when the perpetration of it is the result of studied rascality. If the code of honor among merchants was displaced by the code of morals, founded upon the corner stone of the religion of Christ, it might be different, and the golden age of happiness and contentment would be then at hand indeed. But we need a supervision, not only of the laws governing our special branch of trade, but of the motives and acts of the men with whom we deal. A certain party in Pittsburg the history of whose crimes is known to many of my auditors, for over ten years made it a practice to defraud unsuspecting shippers out of the entire proceeds of their consignments. Hundreds of thousands of dollars have thus been swept into the pools of speculation and lost at the gaming table, until at last a brave firm in Illinois, who had been swindled out of several car loads of grain, placed him behind the bars, where he is now languishing awaiting trial. Should not the general care of this association exert a controlling influence in the affairs of every injured milling firm within its jurisdiction? The councils of this association should be a comforting resort to all those who have a grievance of that character. Men should be watched, exposed and brought to the bar of responsibility of this association, who are detected in sharp practice, even though it is done within the pale of the law. I fearlessly assert that the merchant who does all the good he can, to himself only, ignoring entirely the interests of others, making money by trickery, which, however, does not subject him to judicial discipline, is little better than the thief who robs a hen roost and suffers imprisonment for it. Most of all the reefs, hidden beneath the breakers of this rough sea of life, is the man whose honesty passes unchallenged, whose probity and uprightness is never questioned, and who is rascally at heart.

Let the names of such be entered on the books of this association, that their records may be held up to the fierce light of investigation. "Let the injury to one of our num-

ber be the concern of all" I feel now that I have done my duty by having dwelt on subjects which from their isolation have had little or no attention in the past. I have endeavored to lay bare the weak points that need strength and protection. Some of my arguments may have been faint repetitions of what has been said before, but I am impressed with the force of these truths, and I rejoice to have been able to commit to paper and submit to you ideas and reflections so long unspoken, but not the less interesting to the milling industry of my beloved country. I leave you to apply the remedies.

Upon the conclusion of the reading of his paper as above, Mr. Styne offered a carefully prepared resolution in regard to the correct classification of flour at all the terminal points in the country. The convention adjourned to 10 A. M. May 26. After the adjournment the members proceeded to Fire Engine House No. 6, where a fine exhibition of the pomper corps was given under the direction of Chief Lindsay.

#### SECOND DAY'S PROCEEDINGS.

Convention called to order at about 11 A. M. President Crosby in the chair.

Mr. Alex. H. Smith presented the association on behalf of Ex-Judge Treat, the records of the U. S. Circuit Court in the Cochrane suits, covering about 2,000 printed pages, said suit representing an expenditure of about \$98,000 of the association's money. Mr. Smith went on to state the objects of the association and referred sharply to the criticisms of some of the milling papers. He believed that the association should hereafter keep all information to itself, and act solely for the benefit of its own members, and deprecated the publishing at all of the proceedings of the convention or of the committees except by private circular to members only, which circulars should be considered strictly private and confidential. Mr. Bain warmly approved the remarks of Mr. Smith.

President Crosby deprecated the idea of making the association a secret society, especially so far as the general conventional proceedings were concerned. After considerable discussion, in which Messrs. Bain, McCann, Sparks, Halliday, Greenleaf and James took part, the whole matter of selecting any paper for an official organ, and of determining what proceedings should or should not be published was left entirely in the hands of the sub-executive committee to act as they deemed best for the interest of the association.

Mr. J. J. McCann, of Nashville, Tenn., then offered the following resolution, which was adopted unanimously with great enthusiasm:

*Resolved*, That all the official actions of the sub-executive committee of the Millers' National Association in the past be fully endorsed by this convention.

Mr. James, of Niagara Falls, N. Y., being called upon, said that although his firm had only been members since yesterday, that he had realized the necessity of becoming a member ever since his mill was started a year ago. He thought the association could be easily doubled by each member explaining the value of the association to some other miller and thereby bringing in a member. He closed his remarks by inviting the association to meet in Buffalo next year.

Chairman Fusz, of the Brazilian committee, reported the following two resolutions which were unanimously adopted:

(CONTINUED ON PAGE 22.)

## UNITED STATES MILLER.

E. HARRISON CAWKER, EDITOR.

PUBLISHED MONTHLY.

OFFICE, NO. 124 GRAND AVENUE, MILWAUKEE.

SUBSCRIPTION PRICE—PER YEAR, IN ADVANCE.

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For estimates for advertising, address the UNITED STATES MILLER.

[Entered at the Post Office at Milwaukee, Wis., as mail matter of the second-class.]

MILWAUKEE, JUNE, 1887.

*We respectfully request our readers when they write to persons or firms advertising in this paper, to mention that their advertisement was seen in the UNITED STATES MILLER. You will thereby oblige not only this paper, but the advertisers.*

ACADEMY OF MUSIC—Performances every evening, Wednesday, Saturday and Sunday matinees.

GRAND OPERA HOUSE.—Performances every evening, and Wednesday, Saturday and Sunday matinees.

DIME MUSEUM—Performances every hour from 1 P. M. to 10 P. M. every day.

PALACE THEATRE—Every evening, Wednesday, Saturday and Sunday Matinees.

STADT THEATRE—(German)—Wednesday, Friday and Sunday evenings.

The Southern Illinois Millers' Association will meet at Centralia, Ill., June 14. All Illinois millers are cordially invited to attend.

The *Milling Sphere* is the title of a new paper that will be issued about July 1 by J. H. Donan & Co., of St. Louis, Mo.

CHICAGO elevators are full to overflowing with wheat. A mammoth elevator on the line of the C., M. & St. P. R. R. is projected which will have a capacity for storing over 4,000,000 bushels of grain.

We will furnish the UNITED STATES MILLER for one year and Alden's Handy Atlas of the World, post-paid, to any address in the United States and Canada, for \$1.

It seems odd but it is nevertheless true that one miller will take a mill of given construction and operate it to his entire satisfaction, producing excellent results and the next miller that takes charge of the plant will at once condemn it and will not be able to produce desired results. This is frequently the case with men who are called good millers.

JOHN WEBSTER, of Jackson, Mich., the well-known millwright, says that the future great milling centre of this country will be Sault Ste. Marie, Mich. The St. Marie Water Power Co., with a capital of a million dollars, is reported to be about to make great improvements, among which are two 1,000-bbl. mills.

HON. GEO. F. STRAIT, miller, died at Shakopee, Minn., May 30, of typhoid pneumonia. He was born in Bradford county, Pa., about fifty-five years ago. He was engaged in the lumbering business in that state and came to Minnesota in 1853, locating on a farm in St.

Lawrence township, Scott county. In 1865 he entered the milling business at Jordan, Minnesota. Afterwards he engaged at Chaska in the same pursuit. He came to Shakopee ten years ago, continuing in the milling business. He leaves a widow and a young son. He has two brothers in Kansas. He was a nephew of S. B. Strait of Shakopee and cousin to Hon. H. B. Strait. The deceased suffered heavily in two fires, which swept away his all. He managed to pay his debts in full. He was mayor of Shakopee for several successive terms.

## HINTS ON IRON ROOFING.

It is very important to remember that sheet iron roofing, to be effective and durable, must be a superior and uniform quality of iron, with some simple and strong mode of fastening.

Such improvements have been made in the manufacture of and annealing of sheet iron that with proper care it can be made almost perfect in quality. A peculiar mode of fastening made and used by the Porter Iron Roofing Co. possesses in an eminent degree simplicity, strength and durability, provides expansion and contraction will always remain firm and secure in any climate.

The Porter Iron Roofing Co., Cincinnati, O., whose advertisement appears on another page, are the "pioneers" of the iron roofing business in the United States.

## NO MORE BUCKET SHOPS IN ILLINOIS.

A dispatch from Springfield, Ill., dated June 2, says: The bucket-shop bill, which had already been pushed through the senate, was passed in the house to-day. The measure will become a law July 1 if the governor signs it, and this he is almost sure to do. Should the boards of trade and stock exchanges most interested put the matter into the hands of an active, able lawyer, the bucket-shops in this state will have to close up "for keeps." Gambling in grain, stocks, etc., will thus be permanently checked.

## MILWAUKEE ITEMS.

THE commission firm of Wall & Bigelow has dissolved partnership. Mr. Bigelow will continue the business.

THE annual banquet of the Merchants' Association of Milwaukee took place May 19, at the Plankinton House. Between 200 and 300 persons were present. Many prominent men from various sections of the country were among the guests. A most enjoyable time was had. The Merchants' Association is making efforts to increase the commercial prosperity of Milwaukee.

GEO. TIEJEN, representing The Wilford & Northway Co. of Minneapolis made us a call.

HENRY HAMPER, representing Howes & Ewell of Silver Creek called on us June 2.

MESSRS. E. P. ALLIS and others will probably soon be owners of the Pabst mine. One million is said to be the amount to be invested.

THE Reliance Works of Edw. P. Allis & Co., are being steadily improved and enlarged. The demand for engines and mining machinery generally keeps a large portion of the works busy.

GEO. T. SMITH, of Jackson, Mich.; W. J. Fender, of Minneapolis, Minn., and a number of other mill machinery men have been in the city lately.

MESSRS. FILER & STOWELL, proprietors of the Cream City Iron Works, inform us that they have received a handsome order from Constantinople, Turkey, through an announcement in the UNITED STATES MILLER.

THE Michigan Senate has passed a bill abolishing the dealings in options, and the New York Assembly has voted down a similar bill.

WE acknowledge the receipt of an invitation to attend the Minneapolis Operative Millers' Annual Picnic, to be held at Lake Park, June 19. Arrangements have been made for a great time. Three passenger trains will be required to convey the excursionists from Minneapolis to Lake Park. A steamboat trip about the lake is an interesting feature.

THE *Daily Commercial Bulletin*, in its monthly fire record, places the losses for May at \$10,360,065. These figures are \$2,500,000 larger than the average figures for May during the last 12 years, and larger than those of May, 1886, by \$3,636,500. The total fire waste for the five months of 1887 amounts to \$51,896,500 against \$44,150,000 for the corresponding period of 1886. The losses do not include forest fires.

## A FEW SHORT WEIGHT MILLERS IN IOWA.

A recent number of the *Iowa State Register* says: It has recently come to light that owing to the absence of any law in Iowa regulating the size and weight of packages of provisions, unscrupulous millers have resorted to the dishonest practice of putting up their quarter-barrel flour sacks from one to five pounds short weight. A barrel of flour, as all the world knows, should weigh 196 lbs. net—a half barrel 98 lbs., and a quarter barrel 49 lbs. But we understand that several millers who have been shipping to this market put up as little as 45 lbs. in a quarter-barrel sack, while it is no uncommon thing to find sacks weighing only 49 lbs.

It is probable that at the next meeting of the Legislature some law will be passed similar to the Ohio law requiring manufacturers of provisions to stamp each package plainly with the weight of its contents. Meanwhile it is proper that all those who do not wish to be imposed upon by such a petty swindle as this, should see that the flour that they purchase is full weight—either 49 or 98 lbs. to the sack.

N. R. Leonard, State Superintendent of Weights and Measures, at Iowa City, Ia., in regard to the above clipping says: "The State Superintendent of Weights and Measures endorses the above article and requests the press of the state to copy. Few people recognize the extent to which this species of fraud is practiced. The shortest course to an efficient remedy is to call public attention to the facts."

There are as a matter of course more or less dishonest men in all branches of business, even in the prohibition state of Iowa, but we think millers as a class are fully as honest as any other class.



## THE DUST COLLECTOR CASE.

A decision rendered in the U. S. Circuit Court, June 1, by Judges Gresham and Dyer, is adverse to the Milwaukee Dust Collector Co.

Following is the substance of the conclusions reached by the judges:

First—The complainants in the original bill were entitled to receive from the defendant, the Milwaukee Dust Collector Manufacturing Company, under the Michigan contract, royalties on all machines known as dust collectors, manufactured and sold by them, whether sold in the United States or exported to and sold in foreign countries.

Second—These complainants were also entitled to royalties at contract rates on all fans sold in combination with dust collectors. That is to say, in all cases where fans were sold as attachments to machines, and therefore as parts of the machines, the complainants were entitled to, and should have been paid royalties based on the whole price received for each such machine and fan combined. This ruling is not to be regarded as meaning that the defendant was required to pay royalties on fans sold independently and not as parts of machines.

Third—The Milwaukee Dust Collector Manufacturing Company was guilty of violation of the contract in failing to pay royalties on the so-called foreign machines, and on fans when sold in combination with particular dust collectors.

Fourth—Because of this breach of contract the complainants had the right to declare the contract terminated, and the license therein granted revoked.

Fifth—The complainants in the original bill did not with knowledge of the facts, acquiesce in or ratify the non-payment of royalties on machines sold in Canada and foreign countries, and the fans sold in combination with and as parts of machines, nor were they debarred by any previous conduct on their part from the right to declare the contract at an end, and license therein granted, revoked.

Sixth—The court finds no such violation of the contract by the complainants in the original bill, or failure to perform its obligations on their part, as deprives them of the right to the relief which they seek by their bill.

Seventh—The complainants in the original bill are entitled to a decree declaring the contract between the parties terminated and at an end, and the license to the Milwaukee Dust Collector Manufacturing Company to manufacture and sell dust collectors, revoked, by virtue of the option exercised and the notices thereof given by the complainants in March and April, 1885; also declaring that the Milwaukee Dust Collector Manufacturing Company has no longer the right to manufacture or sell dust collectors under or by virtue of the license granted in and by the Michigan contract, and enjoining and restraining the defendant from further manufacturing or selling dust collectors covered by the patents mentioned in the bill, under or by virtue of the Michigan contract.

Eighth—The cross-bill of the Milwaukee Dust Collector Manufacturing Company will be dismissed, and the temporary injunction granted in these actions Feb. 24, 1886, restraining the complainants in the original bill during the pendency of this action from manufacturing or selling dust collectors constructed in pursuance of, or covered by, or embraced within any or either of the patents in question and originally held by one, more or all of the complainants herein, and by Faustin Prinz, is dissolved.

**A NEW USE FOR GRAPHITE.**—John A. Walker, secretary of the Dixon Crucible Company, says: "From time immemorial steam and gas fitters have used red lead in making joints and connections. It has been a matter of tradition with them that nothing else could possibly answer as well. However, after a few months have passed it is found that the red lead was 'set,' and it is

next to impossible to open a joint. The fitter applies his tongs with all his strength, and, in a large percentage of cases, the joint is finally broken, and the tongs sprung, sometimes almost beyond repair. The progressive fitter has found that graphite (black lead) carried ready mixed for the purpose, or carried dry and mixed with best boiled oil, as occasion requires, makes an infinitely better joint. Being a natural lubricant it enables the fitter to make a much tighter, and, consequently, a much more perfect joint. Further, a joint so made can remain three months, or three years, or thirty years, and will then yield to the ordinary pressure of the tongs. It will make a better joint with less leakage, and render absolutely unnecessary the breaking of joints and couplings and the straining of tongs. The graphite should be pure and of the right degree of pulverization.

## THE NATIONAL LOAN AND BUILDING ASSOCIATION.

A New Milwaukee Institution of deep interest to all desiring to make safe and profitable investments, either large or small.

Western investors have but recently become interested in that plan of investment which has, for several years, been a favorite one in the East, and has been successfully practiced in Europe for over a century—the building and loan association. A demand for an institution of this character has induced a number of prominent Wisconsin gentlemen to incorporate the National Building and Loan Association, establish a general office, and offer to the people of this section an absolutely safe and profitable means for placing idle capital. It is safe, inasmuch as every dollar is invested or rather loaned on the very best real estate security, and it is profitable from the fact that an interest of 10 per cent. is guaranteed. The plan offered to investors or shareholders in the association (as every investor becomes a stockholder and in fact a part of the association) is one which readily recommends itself to the man of limited means as well as one of immense wealth. Shares of \$100 each, are paid in installments of 70 cents per month, so that it is not felt. No person is allowed to hold more than fifty shares in any one series of 5,000 shares of stock, the state law allowing the association to issue ten series. Certificates of stock mature in eight years, at which time the holder is paid the full face value of his stock, having actually paid in less than two-thirds that amount. This is done by the careful and prompt handling of funds, which can only be done through an association. That the National Building and Loan Association's affairs are in safe and reliable hands, is assured by a glance over the list of officers and directors. For president Geo. J. Obermann, of the Obermann brewing establishment, has been chosen; for vice-president, A. W. Rich, Milwaukee's well-known dry goods merchant; for treasurer, Edward Ferguson, ex-United States pension agent and present auditor of the Wisconsin Central Railway; for secretary, L. M. Sherman, of Sturgeon Bay; for attorney, A. G. Weissert, attorney at law; for general agent, G. A. Dreutzer, ex-postmaster and present member of the Assembly from Door county. Aside from Messrs. Obermann, Rich, Fergu-

son, and Weissert, the association's directory includes Senator Scofield, of Oconto, Jacob Litt, manager of the New Academy, and P. J. Shannon, of the Riverside Printing Company. In addition to the abovenamed gentlemen, several others are included in the list of incorporators, all of whom have enlisted their energies to make the association a success of even greater magnitude than institutions of its character have proven in other parts of the country. Investors can be given full and explicit information regarding the institution and its many desirable features by addressing the secretary, at the association's general office, 153 Second St., corner Grand Avenue, Milwaukee, Wis.

**THE Pioneer Press** (Minneapolis) says: The private elevator companies and mixing houses are now, and have been for some time, reaping the benefits of a small bonanza. Since cash wheat at Chicago has been pegged at 89 cents or thereabouts, the mixers have done a very large business by buying the low grades of wheat, No. 2 Northern and poor No. 1, cleaning it, and putting in a small amount of No. 1 hard. They then sell it to shippers, guaranteeing the grain to pass as No. 2 at Chicago. There is at present prices a profit of about 1½ cents a bushel in the operation, and the amount being forwarded is only limited by the amount of transportation that can be obtained. The Burlington road is said to have plenty of vacant storage but few cars, while with the other roads it is the reverse. Some of the millers have been holding their flour and shipping this mixed wheat, there being more profit in the latter. One shipper alone is said to have lost the profits on 100,000 bushels of grain by the inability of the railroad companies to furnish cars.

## RECIPES.

**MARINE GLUE.**—The true marine glue is a composition of shellac and india-rubber, in proportions which vary according to the purposes for which the cement is to be used. The degree of softness is regulated by the proportion of benzine used dissolving the india-rubber. When only a small quantity is needed the following recipe may be followed. Dissolve one part of india-rubber in twelve parts of benzine, and to the solution add twenty parts of powdered shellac, heating the mixture cautiously over a fire. Apply with a brush.

**TO CURE CORNS.**—Try a daily application of two drachms fluid extract Indian hemp and two ounces styptic collodion.

## ROLLER • MILL FOR SALE.

Daily Capacity 125 barrels. Has 10 sets Rolls and Modern Machinery throughout. Is located in a good farming country and enjoys a good custom trade. Mill is located three miles from station on the Lake Shore and Western R. R. in Wisconsin. Good reasons for desiring to sell. Address,

**THEODORE BUETTNER,  
CAROLINE, WIS.**

*Resolved*, That a committee of three be appointed to go to Washington and use all wise measures to secure prompt action by our Government in regard to the new restrictions on American flour exports to that country, and to secure the favor of the government for domestic ship-building enterprises, with a view of giving us a large mercantile navy.

The Chair appointed the following committee: P. H. McGill, Baltimore, Md., W. L. Halliday, Cairo, Ill., and J. J. McCann, of Nashville, Tenn.

The second resolution was as follows:

*Resolved*, That a committee of three be appointed on transportation, whose duty it shall be to secure the abolition of present discriminations by railways in the shipment of flour and wheat; and further to endeavor to secure the repeal of the present navigation laws, so far as to admit ship-building materials duty free and to give bounties to domestic ship builders.

The Chair appointed on this committee, C. A. Pillsbury, of Minneapolis, Minn.; E. O. Stanard, of St. Louis, Mo., and W. L. Kidder, of Terre Haute, Ind.

The evils of option trading and its immense damage to the milling interests of the country and measures to stop it, were discussed at length, and the following resolution was introduced and adopted:

*Resolved*, That a committee of three be appointed by the Chair to agitate the matter of option dealing among millers and to secure such legislation in the various states of the Union as would put an effectual stop to it.

The Chair appointed on this committee, Messrs. Kreider, A. C. Loring and W. L. Kidder.

On motion of Secretary Seamans, the invitation to meet in Buffalo, N. Y., next year was accepted.

A written report was read from A. B. Kellogg, of Buffalo, regarding his work in securing uniformity in the numbering of bolting cloth. He stated that several foreign manufacturers had agreed to co-operate in his work. Report filed.

The committee on nominations reported as follows: For President, John Crosby, of Minneapolis, Minn.; First Vice-President, C. H. Seybt, Highland, Ill.; Second Vice-President, P. H. McGill, Baltimore, Md.

The report was unanimously adopted and Mr. Hill, of Carthage, Mo., instructed to cast the vote of the convention for the nominees. The President elect was escorted to the chair by Messrs. Sparks and McCann, and thanked the convention for the honor again bestowed on him. On motion of Mr. McCann, the thanks of the convention were tendered to the flour and grain men of St. Louis for their lavish hospitality; to all the various organizations and institutions that had thrown open their doors to the visitors and to St. Louisians generally for countless courtesies. Mr. Bain announced the program for the afternoon and then the convention adjourned *sine die*.

The convention having adjourned the members and their friends and entertainers entered carriages and were given a ride through the city, to the Fair Grounds, where an elegant banquet was given. Many short and pithy speeches were made and then upon invitation of Mr. Christ von der Ahe, President of the ST. LOUIS BROWNS, the champion Base Ball Club of the world, visited the Base Ball Park and saw a lively game be-

tween the Browns and Metropolitans, after which the visitors were taken to their hotels and spent the evening in a *go-as-you-please* manner, as Ex-President Bain expressed it. (Quite confidentially, you know, but then—everything goes).

#### LAST DAY—MAY 27.

After a slight shower about daybreak the sun came out nicely and at 9 o'clock the guests, headed by the St. Louis reception committee (of which the untiring Geo. Bain was chairman, and Alex. Smith major-general) and a fine brass band, marched to the levee and on board the steamer City of New Orleans, one of the floating palaces of the Mississippi. Soon thereafter the steamer with a huge covered barge on each side, one for dancing and one for banqueting purposes, steamed down the mighty river. The brass band discoursed music on the hurricane deck, while the string band struck up in the barge for dancing, and in a few moments a hundred couples were whirling in the dizzy mazes of the waltz. After two hours the steamer landed its passengers at Montesano Springs. The two thousand pic-nickers started for the shady grove and spent several hours in a manner well known to pic-nickers in general. At 1 o'clock the members of the association and the reception committee and invited guests sat down to a sumptuous banquet on the dining barge. The twenty tables accommodating twenty persons to each table were loaded with substantial food and the delicacies of the South, and were beautifully decorated with flowers. At 4 P. M. the steamer started on its return trip reaching St. Louis at 8 P. M., with a tired but happy and thoroughly satisfied party. The evening and morning trains carried the members to their homes and with them all, a sort of *awful-glad-they-went* feeling, and all sincerely wish St. Louis millers, flour and grain men and citizens in general the unbounded success they and their beautiful city so richly deserve.

#### CONVENTION NOTES.

The Eugene Jaccard Jewelry Co. presented all the millers with handsome flour-triers.

The committee of the St. Louis millers and flour and grain men appointed to receive and entertain the visitors was composed of the following well-known gentlemen: George Bain, chairman; Alex. H. Smith, E. O. Stanard, Louis Fusz, Duncan M. Kehlor, Geo. H. Plant, John W. Kauffman, F. H. Ludington, Henry Stanley, Harry F. Kirk, S. A. Bemis, John C. Fisher, Conrad Fath, Richard Perry, Theo. Sessinghaus, A. Gerde-mann, Roger P. Annan, Frank Galennie, Jerome Hill, Geo. P. Emmons, Theo. Booth, John M. Gilkerson, Charles R. Pope. The committee filled its office to perfection, leaving no one neglected in the slightest degree.

A goodly number of mill-furnishers, mill-builders and machine missionaries were present.

Judge J. E. Loomis of St. Louis, has made an engagement with Messrs. Howes & Ewell, of Silver Creek, N. Y., to represent their interests in the Southwest.

The picnic tickets were very unique in design, being in the shape of five flour-triers bound together with corn-husks, printed and decorated in an appropriate manner.

The badge worn by the visitors bore a design of a lamb nicely balanced on a flour barrel, with a bull on one side and a bear on the other.

#### MICHIGAN MILLERS' ASSOCIATION.

The Michigan Millers' Association met at Kalamazoo, May 27, at 2 P. M., President Merrill in the chair. The following millers were present: E. S. Badger, of the Niles Milling Company; H. F. Colby, of Colby & Son, Dowagiac; A. N. Hart, of Lansing; C. G. A. Voight, of Grand Rapids; DeRo, of Walsh & DeRo, of Holland; J. H. Heck, of Heck Bros., Tecumseh; Mr. J. M. Darrah, of Darrah Bros., Big Rapids; A. Beech, of Jonesville; M. Parmelee, of Conner & Parmelee, of Lansing; Mr. Henshaw, of Henshaw, Pollard & Co., of Allegan; J. C. Henry, of St. Louis; J. R. Reynolds and Mr. Hayden, Jr., representing H. A. Hayden & Co., of Jackson; Wm. A. Coombs, of Coldwater; F. W. Stock, of Hillsdale; D. L. Haines and C. H. Bird, of the Merrill Milling Company, of this city. Mr. Heuston, representing the Knickerbocker Manufacturing Company, of Jackson, and John Earle, of Schoolcraft, a wheat buyer, were also in attendance.

Secretary Little read several clippings from milling papers criticising the Millers' National Association, etc. He also explained what the "Big 4" and "Little 5" meant and who were the members. He also stated that one member of the association, Mr. Coombs of Coldwater, had been sued by the Consolidated Roller Mill Co., or the "Big 4," for use of rolls purchased of the Richmond City Mill Co. Mr. Coombs had received a letter from that company stating that they would protect him. Mr. Voight said that most Michigan millers were using standard machines, and with the guarantees he did not think there was any danger, and opposed litigation.

Mr. Colby said that some complained of the National Association in making an agreement with the Consolidated Roller Mill Company, to shield only its members. He thought that it was a one-sided agreement.

Mr. Voight was in for the state association and wanted all the state millers to join them and they would probably have less trouble.

Mr. DeRo and others agreed with Mr. Voight in the belief that it was best if possible to avoid litigation.

Mr. Voight was in favor of every miller selling his flour under his personal or mill brand. He objected to the letter or blank way of shipping flour, allowing every commission dealer and groceryman to have his own brand.

On motion of Mr. DeRo, the executive committee was chosen, consisting of Mr. D. B. Merrill, C. G. A. Voight, Frank Little, the officers, and Messrs. Badger, of Niles, and DeRo, of Holland.

Mr. Stock, from the committee on insurance, appointed at the February meeting, reported that the committee went to Lansing and had a conference with the state insurance commissioner and the legislative committees on insurance, and they caused a bill to be prepared setting forth the points desired by the state millmen and the bill is still pending.

The interstate commerce and state railroad transportation bills were discussed, and Mr.



Voight said that if the law makers would let the whole business alone, the millers would take care of themselves. Mr. DeRoo seconded his opinion.

On motion of Mr. Stock, a committee of three, consisting of Messrs. Stock, Coombs and Hart, was appointed to visit Lansing and look after the present bill and get it modified if possible.

The secretary was instructed to designate in the different districts of the state persons to increase the membership of the state association.

On motion of Mr. Stock, a committee consisting of Messrs. Stock, W. A. Coombs, of Coldwater, and Henry Hayden, of Jackson, were appointed as a committee of conference, with a like number of Millers from the states of Indiana and Ohio, to meet at Toledo and take under consideration matters of general interest to the millers.

Ten new members were enrolled on the state association books at the meeting.

Messrs. Hayden and Reynolds extended an invitation to the association to hold its next meeting at Jackson, which on motion of Mr. Colby was accepted and the association adjourned subject to the call of the president and secretary.

#### MISSOURI MILLERS' ASSOCIATION.

Pursuant to call, the Missouri Millers' Association met at the Leclerc Hotel, St. Louis, at 10 a. m., May 25, with President Carter in the chair. The minutes of the last meeting were read and approved. The applications of The E. O. Stanard Mill Co., The Regina Mill Co., and Kauffman Milling Co., of St. Louis, and of the R. T. Davis Mill Co., of St. Joseph, were presented and accepted. In the case of the Kauffman Milling Co. a proviso was made that the Association should not be called upon to defend any suits against applicant now commenced. The meeting then adjourned until 8 p. m., to give the members an opportunity of attending the National Convention being held in the Cotton Exchange.

At 8 p. m. the meeting was called to order, when the election of officers was taken up. Mr. Bain moved that Mr. Pollock cast the vote of the Association for the present officers for another year. The officers so re-elected are as follows:

President—S. M. Carter, of Hannibal. First Vice-President—W. H. Waggoner, of Independence. Second Vice-President—H. B. Eggers, of St. Louis. Treasurer—Geo. J. Plant, of St. Louis. Secretary—Henry F. Kirk, of St. Louis. State Executive Committee—S. M. Carter, Hannibal; Frank Hill, Carthage; O. M. Harrison, Glasgow; Elbridge Goddard, St. Louis.

Member National Executive Committee—Alex. H. Smith, St. Louis.

President Carter, in a very pleasing address, thanked the Association on behalf of himself and his fellow officers for the high honor again conferred upon them.

After some discussion it was decided not to have any official paper. The meeting then adjourned, subject to the call of the President for future meetings.

#### THE ROLLER SUITS.

In the case of the Consolidated Roller Mill Co. vs. The Barnard & Leas Mfg. Co., the defense filed a demurrer reciting that the bill of complaint was not sufficient, in that it did

not exhibit the inventions they were charged with infringing, or show when the complainant acquired title, or whether the infringements were made since it acquired title. The case was argued by Hon. Rodney Mason for the complainants, and by Parkinson & Parkinson on the part of the defense, in the United States Court at Chicago, on May 24th ult., and the court sustained the demurrer.

On the same day, in the case of the same complainant vs. The Peoria Distilling Co., on the Todds & Stanley roller mills, the complainant filed exceptions to the answer of the defendants, charging that it did not sufficiently set forth the defense, and that the defense set up was not pertinent. After argument the court ruled in favor of the defense, overruling the exceptions. The complainants now have until the first Monday in June to file an amended complaint, in one case, and until the first Monday in July in the other.

**DOWNTON VS. KAUFFMAN MILLING CO.**—Robert L. Downton, Eliza Downton, and T. R. Reynolds May 25 brought suit against The Kauffman Milling Company for infringement of patent. The complainants allege in their petition that on March 21, 1882, Robert L. Downton obtained letters patent on a certain new and useful invention in the manufacture of flour. About the time of the grant the patentee conferred upon his wife, Eliza Downton, all his right, title and interest in the patent. On January 4, 1886, Eliza Downton sold to Louis Lipman a one-fourth interest on the patent, and the exclusive right to construct and remodel milling systems in accordance with this patent was conferred at the same time upon Robert L. Downton. On March 22, 1887, Lipman transferred to Thos. R. Reynolds his interest in this patent, of which he is now the owner. The complainants aver that they expect large returns from the patent rights if infringement by the defendant can be prevented. These rights the defendant has infringed in their mills in the Eastern District of Missouri, at Bethalto, Ill., and elsewhere in the United States. Wherefore the complainants have filed a bill in equity to restrain the company from using their patent without proper authority, and ask that an injunction to that effect be granted.—*Northwestern Miller.*

#### NEW PUBLICATIONS.

SCRIBNER'S MAGAZINE for June contains the following illustrations and articles:

*Bonaparte*—(Frontispiece)—From a painting by Arpiani. *Some Illustrations of Napoleon and his Times*, by John C. Ropes, with illustrations from the author's collection. *An Art Master*, by John Boyle O'Reilly. *The Ethics of Democracy*, by J. F. Stimson. *Stater Annunciations*, by Henrietta Christian Wright. *A Collection of Unpublished Letters of Thackeray—III.* illustrated by portraits and reproductions of drawings by Thackeray (to be continued in further numbers). *For an Old Poet*, by H. C. Bunner. *Miss Pringle's Neighbors*, by Mrs. Robert Louis Stevenson. *An Uncommercial Republic*, by W. T. Brigham, with illustrations from photographs by the author. *Miss Peck's Promotion*, by Sarah Orne Jewett, illustrated by E. W. Kemble. *Separation*, by Ellen Burroughs. *Seth's Brother's Wife—Chapters XXI—XXIII*, by Harold Frederic. *Preparation*, by Mrs. James T. Fields. *Two Russians*, by Nora Perry. *Fulfillment*, by Graham R. Tomson. *The Magic Flight in Folk-lore*, by H. E. Warner. *The Stone-cutter*, by Elizabeth Akers.

**EUREKA RECITATIONS.**—We have just received from the publishers a copy of number nine of this series of Recitations. It is a very good collection, containing nearly one hundred pieces, compiled by Mrs. Anna Randall Diehl, whose reputation as a writer of standard works of elocution, and also as a teacher of the

art, is second to none. Comprising Prose and Poetry—Serious, Humorous, Pathetic, Comic, Temperance and Patriotic. All those interested in providing an entertainment, should have this collection. It contains 128 pages, and is bound with a handsome lithograph cover, and will be mailed to any address, post-paid, on receipt of 12 cents in stamps, by J. S. Ogilvie & Co., the publishers, 57 Rose street, New York.

THE June number of the AMERICAN MAGAZINE contains a great variety of articles, among which are at least four completed short stories.

The departments of the June HARPER'S are freighted with rich contents as usual. George William Curtis, in the *Easy Chair*, discusses the relations of author and publisher with his characteristic good-sense, and also chats pleasantly about "The Taming of the Shrew" at Daly's, noble public gifts recently made to New York, and the ocean yacht race. The *Editor's Study* is devoted this month, to the subject of criticism, and the opinion of a leading novelist like Mr. Howells upon the American and English schools of criticism and their apparent futility is full of interest. Charles Dudley Warner's department, the *Editor's Drawer*, has a large fund of humorous anecdote, with an illustration by Hyde.

THE ART AMATEUR for June begins the 17th volume with a new cover and a profusion of attractive illustrations and vigorous letter press. Three figure and drapery studies in two colors, a striking full-page portrait and a number of pen drawings after pictures and sculpture accompany an interesting biographical account of Sir Frederick Leighton, President of the British Royal Academy. Montague Marks, Publisher, 23 Union Square, New York.

THE June number of THE COSMOPOLITAN, the last that will be published in Rochester, before its appearance in New York City, opens with a charming story entitled "The Sculptor's Ward," by Jeanne Mariet. "Signora Io," by Salvatore Farina, is brought to a close in this number. The wonderfully interesting series of articles by Emilie Julliard, on "Life Beneath the Crescent," is also concluded. This, like the other articles is handsomely illustrated. "How I Ascended a Mexican Volcano," by Ad. F. Bandelier, the well-known American archeologist, is a lively and interesting account of the author's experience while climbing Popocatepetl. "An Imperial Barbarian," by Henry Howard, presents, in an attractive manner, M. Taine's views of Napoleon Bonaparte. "The Iclander's Wealth," by W. H. Allen, is an instructive description of the elder duck. The Young Folks and the Household departments are excellent. The July number will appear in New York City. It will be enlarged and improved in every way.

#### A BONUS OF 1500 DOLLARS

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## NEWS.

A 400-bbl. addition will probably be made to the L. C. Porter mill at Winona, Minn.

H. GILL, of the Assissippi, Manitoba, roller mill has reduced the price of grinding to 15c. per bushel.

THE mill and elevator erected at Wolesley, Assa, by Cooke & Cole, will be put in operation in a few weeks.

BURNED—May 31. Becker & Chadbourne's elevator at Brown's Valley, Minn., with 30,000 bushels of wheat. Insured.

JUST at present a good demand for millwrights is reported from Minneapolis, with wages quoted at \$2.75 to \$3.00 per day.

OSCAR LUDENBURG had both his hands torn off by getting caught by machinery in the St. Paul Roller Mill. He died from the effects of his injuries, June 1.

BURNED, June 6, Messrs. Taylor & Noble's flour mill at Fostoria, Ia. Cause supposed to be from friction of machinery. Loss \$22,000; insurance \$7,000.

NEW MILLS.—We note the following:

Atwood & Lane, Canton, Me.; Steam mill, by S. P. Sweltzer, Sand Patch, Pa.; J. N. Biggerstaff, Forest City, N. C.; North Carolina Millstone Co., Carthage, N. C.; J. N. Kendrick & Co., Plano, Tex.; Burnett Roller Mill Co., Burnett, Tex.; Lowther & Thorn, Elizabeth, W. Va.; E. Shifflet, Pleasant Valley, Va.; Allen & Smith, Dayton, Tenn.; J. W. Underhill, New Hampton, Ia.; S. A. Julien, Wallaceburg, Ont.; a 100-bbl. roller mill at Dallas, Tex.; a roller mill at Riceville, Tenn., by J. Bishop and others; a 125-bbl. roller mill at Sweetwater, Neb.; an 80-bbl. roller at Sabetha, Kas., for Sabetha Mill Co.; 100-bbl. roller mill, at Brookway Center, Mich., by S. O. Welch; 100-bbl. mill, by Haven Mill Co., at Haven, Kas.; a 100-bbl. roller mill at Prosser, W. T., by L. A. Heintzerling; A Texas correspondent to *Dixie* says: "Throughout the State there is a growing feeling in favor of the home manufacture of our cereal products. For example, note the following new enterprises: The Adams Mill Co., capital stock \$100,000, has been incorporated at San Antonio; a first class flour mill is projected at Greenville; Freeman & Peede will build a roller flour mill at Kaufman; J. R. Stuart, of Midlothian, is interested with Dallas parties in a plan for establishing a roller mill at the former place; a \$25,000 roller mill is to be built at Trenton; the Co-operative Milling Company of Grayson County, will build a new roller mill; work has been commenced on a large flour mill at Paris; Lone Oak is likely to have a roller flour mill at an early day; a flour mill will shortly be erected at Pecos City; C. D. Morgan will build a roller mill at Coleman; H. Friedly will build a flour mill and a gin at Kemp; a stock company has been organized at Rockwell to build an \$18,000 flour mill; and the Pilot Point Roller Mill Company seems to be an assured fact." E. G. Styron & Co., are building a large roller corn mill at Fayetteville, N. C.; a \$40,000 roller mill is projected at Kingsley, Ia.

MILLS FOR SALE.—There is just now a large amount of milling property in the market, and the most fastidious purchaser ought to be able to find something to suit his taste. For the convenience of our readers we have compiled the following list: 125-bbl. roller mill, steam power, F. M. Rudd, Bronson, Mich.; mill, farm and water power, J. M. Holladay, Holladay, Va.; roller and stone water power mill in Matherton, Mich. for sale by M. A. Tyler, Hubbardstown, Mich.; 80-bbl. roller, steam mill, Henry J. Taylor, Sioux City, Ia.; 2 mills, Geo. Barlow, Chauncey, Mich.; 50-bbl. roller mill at Stuart, Neb.; 3-run water power mill, Thos. A. Carter, Taylorstown, Va.; 3-run steam power mill, W. T. Moxley, New Milford, Pa.; good mill at Mt. Sterling, Ky., by G. E. Chick; 3-run steam mill, H. Hartshorne, Meadville, Mo.; 125-bbl. roller mill, steam power, Thayer & Kramer, Springfield, Ill.; 4-run steam and water power mill, L. R. Hoff & Co., Candor, N. Y.; "The Centennial Mill" steam power, gas for fuel Dr. E. Fraul, Portland, Ind.; 2-run, water power mill, Garrett Bros., Daily, Mich.; a 4-run steam mill by Joseph Keller, Milan, Ohio; a full roller water power mill, by A. B. Raymond & Co., Brookport, N. Y.; a water power mill with 200-acre farm, by J. Y. Trammell, Notasula, Ala.; a 5-run water power mill by A. S. Olmstead, Sheldon, Vt.; a 200-bbl. steam roller mill by J. M. Hains, New Albany, Ind.; a 4-run water power mill by Dr. W. R. Ezell, Ezell P. O., Va.; a 250-bbl. mill by H. A. Hrunns, Morehead, Minn.; a 50-bbl. steam mill, at Blayton, Dak., by C. D. Dinehart; a 350-bbl. steam power roller mill, Nashville, Tenn., by John J. McCann; two mills in Ripon, Wis., by J. N. Foster &

Co.; a full-roller water power mill, by C. S. Mitchell, Tower, Minn.; another at Eliva, Ontario, of 150 bbls. capacity, by Hortop and Argo; 120 bbl. steam power roller mill by B. Gilbert, Glasco, Kas.; and about 50 others are advertised. We commenced to compile a complete list for the month of the mills advertised for sale, but find the job too great. Enough are given however to show that there are plenty of flour mills in the market, and present indications are that there will be many more. The fact is that the milling capacity of the country is entirely too great.

Among the late engine shipments of the Prospect Machine and Engine Co., Cleveland, Ohio, are two 165-h. p. Engines to the Joshua Hendy Machine Works, San Francisco; a 90-h. p. engine to E. J. Foster, Cleveland, O.; one of 75-h. p. to the Acme Machinery Co., also Cleveland, O.; 120-h. p. engine to the Greenfield El. Lt. Co., Greenfield, Mass.; 75-h. p. to F. Madlener, Chicago, Ill.; a 75-h. p. engine with two boilers and Steam outfit complete to Messrs. Stuart, Hungerford & Warriner, Jacksonville, Florida. The Company have also shipped three ice and refrigerating machines built for the Case Co. of Buffalo, one to Brooklyn, N. Y., and one for a Brewery at Cleveland, O. Engines built by the Prospect Machine and Engine Co., have just been started at the A. H. Hart Co.'s, New York City; Brown Holting and Conveying Machine Co., Cleveland, O., and at several other points in different sections. This Company has also been very busy on special and important work for the large telescope for the Lick Observatory in California, said to be the largest telescope in the world. They have just put in hand another ice and refrigerating machine for the Case Co. of Buffalo, and a 90-h. p. engine for Root & McBride Bros., Cleveland, O. They report a large and steady sale for the Jonathan Mills' Universal Flour Dresser. A new mill has just been started at Ligonier, Ind., with 12 of these machines in; one at Bay City, Mich., is about ready to start with 10 of these machines; one at Alton Ia. with 10. A new mill at Milford, Mich., is putting in several, and also a mill at Mt. Morris, Mich.; besides single orders from all sections.

## ITEMS FROM FOREIGN COUNTRIES.

HARD VS. SOFT WATER FOR BREAD MAKING.—An interesting question has been raised as to whether hard or soft water is the better for bread-making. A correspondent writes: "Hard water contains too much limestone, and that causes bread baked with it to soon dry out. If you use soft water to mix the dough you get a much better article of bread, and one that will retain its freshness. My wife makes as good bread out of stone flour as can be made of roller flour, by using soft water. A good plan is to set a cup of water in the oven when your bread is baking; this will enable you to get softer bread, and only half as thick a crust." We should be glad to elicit some expression of opinion on this head.—*The British Baker*, London.

BREAD-MAKING IN SPAIN.—A series of interesting articles has lately begun in *Le Journal de Meunerie* (Paris, France) regarding milling and baking in various countries of the civilized world. The initial paper relates to Spain, and the writer remarks that in that country it is very common for bakers to buy their own grain and have it ground in a custom mill; but in the larger towns, more particularly at Madrid, many bakers have their own mill and grind up as much flour as they require. These mills generally form part of the bakery premises, and are sometimes driven by a gas engine, but more often the gear wheels are turned by mules. A single pair of stones—their diameter, it is said, does not as a rule much exceed 3 feet—will take the services of four mules, and as a mule cannot be kept at this kind of work for more than two hours a day, a large bakery using up seven to nine sacks a day, will need 25 to 30 mules in daily work. In Spanish bakeries the primitive custom of kneading with the feet

is still in full vigor, the excuse alleged being the stiffness of the dough, which is attributed to the imperfect reduction of the grain. The writer of this article has indeed no exalted opinion of Spanish milling, and remarks that throughout the country a mill well fitted and intelligently worked is the exception, putting aside the province of Catalonia, which is the only one portion of the Peninsula in which modern industry has made any progress. The custom mills are all furnished with the most primitive appliances, so primitive, indeed, that it is usual for the peasants who bring their grain to do the work of grinding with their own hands. The typical merchant mill is provided with four to ten pairs of stones, usually driven by a turbine. The conduct of these mills is said, however, to leave much to be desired, the stones being badly kept, and the dressing machinery of a somewhat rude type; still, some Spanish millers manage to make eatable flour of rather a dark color.

THE present Spanish import duties in cereals and cereal products is as follows: Wheat, \$2.50 per 480 pounds; wheat flour, \$2.10 per 280 pounds; other meal, \$1.14 per 2.80 pounds; rye, barley, oats, corn (maize) \$1.30 per 480 pounds. Italy has raised the import duty on wheat to about \$1 per 280 pounds.

At a meeting of Irish millers recently held in Dublin, it was decided to ask Parliament to impose an import duty of \$1.20 per sack on foreign flour. Is flour too cheap in Ireland now for the people?

THE National Convention of British and Irish Millers will be held in London, June 15, 16 and 17. A number of papers on milling subjects will be read, and by way of amusement a banquet and a trip down the river Thames.

It is estimated that the Argentine Republic will have 10,000,000 bushels of wheat for export this year.

DEATH OF A. B. CHILDS.—A well-known figure in the London mill furnishing trade has just been removed by death. Mr. A. B. Childs, of the firm of A. B. Childs & Son, 70 Fenchurch Street, died recently, aged 69, after an illness which has incapacitated him for work for more than two years. Mr. Childs was an American; he came to this country more than 20 years ago, with the intention of making a temporary stay, and with the object of selling a grain-cleaning machine, Childs' Aspirator, as it was called; The demand for this machine, however, grew so large, that Mr. Childs very soon determined to settle down in London. Soon afterwards he brought out other machines, amongst them being a Decorticator; but next to the aspirator above referred to, Mr. Childs was principally identified with Wegmann's Porcelain Rolls, which he introduced into this country, and of which he sold a very large number. When the rage for gradual reduction milling first began to show itself, Mr. Childs adopted what was known as the *Jonathan Mills* system, and built a number of mills on its lines. In connection with this system Mr. Childs retained the services of probably the ablest and best-paid American milling expert in this country, Mr. W. A. Scott, whose salary reached £1,000 a year. About two years ago, however, Mr. Childs had a severe bronchial attack which led to a complication of diseases, from which he succumbed on the 20th ultimo. He was one of the best known of London milling



engineers, and was highly popular amongst English millers, who will have a lively recollection of his portly form and agreeable manners, as well as admiration for his straightforwardly honest business character. Personally, we had a high regard for the deceased gentleman, whose unvarying good humor made him endeared and respected by all. The business will be carried on under the same style of firm by his son Clarence A. Childs, who has for some years been associated with his father in the business.—*The Millers' Gazette*, London.

A NEW description of type writer known as the "Simplex" is announced. It is described as consisting of only two main parts—the writing mechanism and the base plate. This machine is about 10½ inches long by 2 inches deep from back to front, and 4 inches high at the typewheel, and weighs only 1 lb. It consists of typewheel and the baseplate, on which the wheel is moved progressively from left to right as the writing proceeds, and afterwards run back to the other end for a fresh line. The paper is placed on the baseplate, where it is held in position for each line and is shifted up by hand for each fresh one. The typewheel carries the twenty-six letters of the alphabet, ten figures, and all the necessary signs and stops, which are embossed in relief on its outer rim. It is actuated by means of a pin which

projects, and is rotated until it is seen that the letter or figure required is in position. A slight pressure brings the letter down upon the paper, and the typewheel is then moved on a space, or several spaces if necessary, and adjusted for the next letter or character. The chief advantages claimed are simplicity and low price.—*Engineering*, London.

THE WHEAT SUPPLY AND FUTURE REQUIREMENTS OF FRANCE.—The *Journal des Debats* says: "The price of wheat appears to have advanced in the provincial exchanges, owing to the scarcity of offers of native produce. But why is there any diminution in the supply? Do farmers expect to see a further enhancement in values, or is there really a perceptible exhaustion of stocks among them? Everything leads to the belief that the latter hypothesis is apparently the most infallible one. The last wheat harvest afforded, in fact only an ordinary yield, particularly from a qualitative point of view; and, on the other hand, the imports have been on a much more moderate scale than had been anticipated. Moreover, farmers having sold very extensively at the opening of the campaign to meet their pecuniary exigencies, it is not at all surprising that the depletion of stocks is already beginning in most directions to be more or less felt.

#### THE DRIVEN WELL PATENT SUSTAINED.

On the 23d of the present month, the United States Court rendered two decisions in cases brought under the celebrated driven well patent, sustaining it and adjudging the infringement of the patent as proved. For several reasons, these decisions are of widespread interest, both to laymen and the professional world. An enormous number of driven wells have been constructed, and the royalties now collectible are very large, and those from whom they are to be collected comprise all classes of our people. The decision was rendered upon a reissue, on its face possessing expanded claims, and one applied for four years after the granting of the patent.

The original patent bore the number 73,425, and was granted January 14, 1868. The reissue number, 4,872, was dated May 9, 1871. Thus the decision includes the sustaining of a reissue, something that is not generally expected of the Supreme Court.—*Scientific American*.

MILLERS desiring to secure the latest and best practical book on milling should send to us for a copy of *Gibson's Gradual Reduction*. Price \$3.00, or with the UNITED STATES MILLER \$3.50.

## List of Members of the Millers' National Association.

### NEW YORK STATE MILLERS' ASSOCIATION.

1. J. A. Hinds & Co	Rochester	Capacity	5
2. Mosely & Motley	Rochester	"	15
3. Ferguson & Lewis successors to Fraley, Ferguson & Wilson	Rochester	"	6
4. J. G. Davis & Son	Rochester	"	5
5. Armstrong, Shaw & Maccauley, successors to Elwood & Armstrong	Rochester	"	3
6. James Wilson & Co.	Rochester	"	5
7. Gerling Bros.	Rochester	"	3
8. Smith & Sherman, successors to Boardman, Sherman & Co.	Rochester	"	5
9. Chase & Co.	Rochester	"	5
10. Albert Bennett	Rochester	"	3
11. Harvey & Henry	Buffalo	"	10
12. Schoelkopf & Mathews	Buffalo	"	30
13. Thornton & Chester	Buffalo	"	15
14. E. J. Newman & Co.	Buffalo	"	6
15. Leonard Dodge	Buffalo	"	3
16. Banner Milling Co.	Buffalo	"	15
17. George Urban & Co.	Buffalo	"	10
18. Benfried, Lyon & Co.	Oswego	"	15
19. B. Doolittle	Oswego	"	3
20. Kings County Milling Co., successors to Tongue, Moller & Co.	Brooklyn	"	14
21. A. H. Herrick	Watertown	"	3
22. Sidney Brown, successor to Brown Bros. & Co.	Ogdensburg	"	3
23. G. H. & A. T. Hotaling	Baldwinsville	"	3
24. Amos Bros., successors to J. Amos & Son	Syracuse and Baldwinsville	"	18
25. Willey & Moore	Lockport	"	3
26. Jewell Milling Co.	Brooklyn	"	18
27. Geo. Q. Moon	Binghamton	"	5
28. J. C. Williams	Dansville	"	2
29. M. Humphrey	Mt. Morris	"	3
30. G. W. Terry	Hornellsville	"	1
31. Reamer & Hallstead	Waterloo	"	4
32. Isaac Horsefalls	Freeport, L. I.	"	14
33. Rochester Milling Co., successor to Drake & Buell	Holly	"	3
34. Biddlecombe & Hoard	Macedon	"	1
35. Van Natta Bros	Ithaca	"	1
36. A. M. Hull	Ithaca	"	2
37. S. T. Hayte	Corning	"	5
38. W. S. Hodgman & Co.	Painted Post	"	2
39. Weld & Hill	Medina	"	7
40. Chester & Wilson, successors to G. T. Chester	Lockport	"	3
41. J. T. Voght & Son	Pittsford	"	3
42. W. G. Gage & Co.	Fulton	"	7
43. Central Milling Co.	Niagara Falls	"	29

3114

### TENNESSEE STATE MILLERS' ASSOCIATION.

1. Lenoir Manufacturing Co.	Lenoir	Capacity	4
2. J. B. Lillie	Franklin	"	4
3. Nashville Mill Co.	Nashville	"	17
4. Henry Lannier	Nashville	"	12
			37

### NEBRASKA STATE MILLERS' ASSOCIATION.

1. Wm. Lyons & Sons	Lyons	Capacity	14
2. Elam Clark & Sons	Waterloo	"	14
3. Wilbur Flour Mills	Wilbur	"	2
4. Walshans, Pratt & Haines	Oma a	"	1
5. D. H. Harris	Bennett	"	14
6. C. C. White	Valparaiso	"	2
7. White & Glade	Crete (2 mills)	"	10
8. Wells & Nieman	Schuyler	"	6
9. O. P. Hurfurd	Oakdale	"	1
			284

### KANSAS STATE MILLERS' ASSOCIATION.

1. Shellabarger & Griswold	Topeka	Capacity	6
2. Goodlander Mill & Elevator Co.	Ft. Scott	"	3
3. Bowman & Kellogg	Atchison	"	5
4. Woodward & Norton	Leroy	"	2
5. F. Goodnow & Co.	Salina	"	7
6. Hargis & Clark	Wellington	"	7
7. W. H. Childs	Abaline	"	2
8. Crosby Roller Milling Co.	Topeka	"	13
			50

### CALIFORNIA STATE MILLERS ASSOCIATION.

1. Horace Davis & Co.	San Francisco	Capacity	27
2. Los Gatos Manufacturing Co.	Los Gatos	"	4

### DELAWARE STATE MILLERS' ASSOCIATION.

1. Wm. Lea & Sons	Wilmington	"	6
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### OREGON STATE MILLERS' ASSOCIATION.

1. Salem Flour Mill Co.	Salem	"	14
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### TEXAS STATE MILLERS' ASSOCIATION.

1. Texas Star Flour Mills	Galveston	"	9
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### VIRGINIA STATE MILLERS' ASSOCIATION.

1. Novelty Mill Co.	Parkersburg	"	3
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### MARYLAND STATE MILLERS' ASSOCIATION.

1. C. A. Gambrell Manufacturing Co.	Baltimore	"	37
2. W. E. Woodyear	Baltimore	"	8
3. J. O. Norris	Baltimore	"	6
4. J. K. Clark & Co.	Baltimore	"	2
5. W. H. C. Kemp	Williamsport	"	3
6. Davis & Christie	Rowlandsville	"	1
			57

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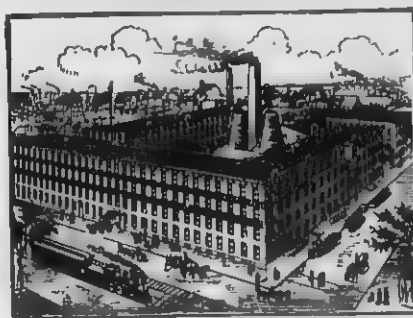
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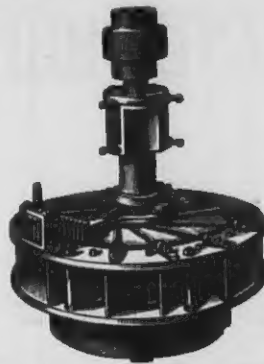
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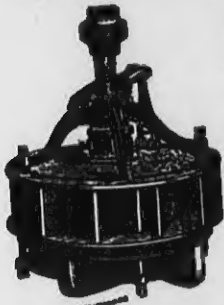
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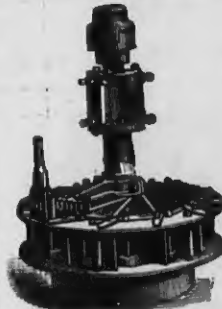
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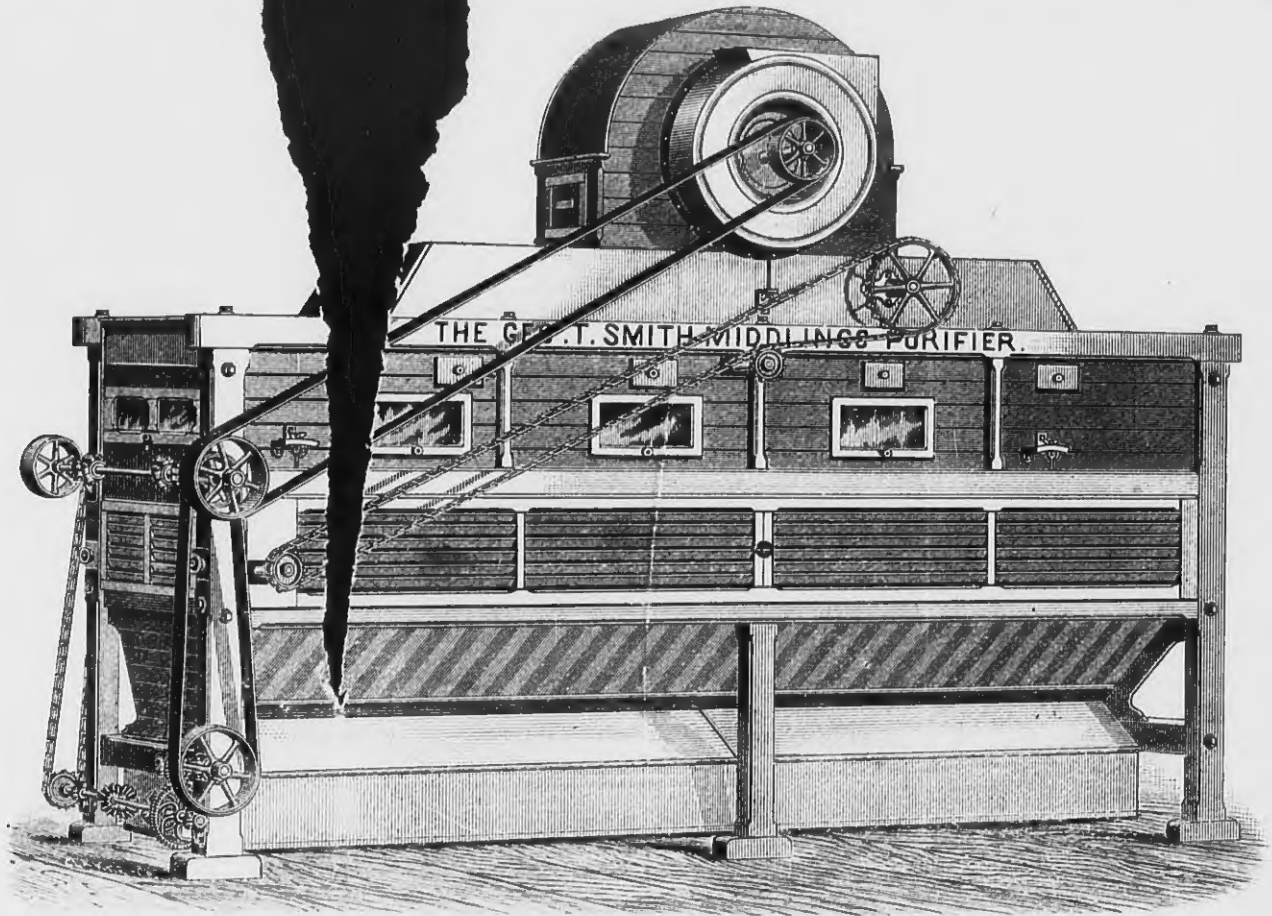
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